**3GPP TSG-SA3 Meeting #115 *S3-240940***

Athens, Greece, 26th February - 1st March 2024

**Title: LS on Registering JWT Claims at IANA**

**Response to:**

**Source: 3GPP SA3**

**To: CT**

**Cc: 3GPP CT3, 3GPP CT4**

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**Attachments:**

# 1 Overall description

The 3GPP authorization framework uses the OAuth 2.0 framework as specified in RFC 6749. Access tokens shall be JSON Web Tokens (JWT) as described in RFC 7519. To support more granular authorization for 5G features, 3GPP introduces extra JWT claims per 5G use cases, which are defined in separate technical specifications. For example:

* TS 29.510 [2] specifies access token claims for 5G SBA use case.
* TS 33.434 [3] specifies access token claims for SEAL use case.
* TS 29.222 [4] specifies access token claims for CAPIF use case.
* TS 33.180 [5] specifies access token claims for 5G Mission Critical service.

Since there is no coordination within 3GPP regarding defining JWT claims, it may happen that a conflict JWT claim name is defined by different sub-WGs. SA3 believes that these claims are mostly created and used in the 3GPP systems, and also understands that the CT will avoid the potential conflict during their stage 3 work. To prevent from potential conflict of JWT claim names in the industry, IANA registration may be considered.

SA3 asks 3GPP CT to take decision whether IANA registration is necessary. If the answer is “yes”, SA3 suggest CT to take lead in coordinating the JWT claims registration process with IANA and inform SA3 with the outcome.

# 2 Actions

**To 3GPP CT**

**ACTION:** SA3 asks 3GPP CT to take the above into account.

# 3 Dates of next TSG SA WG 3 meetings

SA3#115AdHoc-e 15 - 19 April 2024 Electronic meeting

SA3#116 20 - 24 May 2024 Jeju (South Korea)

SA3#117 19 - 23 August 2024 Maastricht (Netherlands)